



**FAIRFAX COUNTY FIRE & RESCUE DEPARTMENT
FIRE MARSHAL'S OFFICE**

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FMO Homepage - <https://www.fairfaxcounty.gov/fire-ems/fire-marshal>



HIGH-PILED COMBUSTIBLE STORAGE

Plan Review Application

APPLICANT / SUBMITTING FIRM

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Contact Person: _____ Phone: _____

BILLING INFORMATION

*** PARTY RESPONSIBLE FOR PAYMENT OF ALL FIRE MARSHAL SERVICES ASSOCIATED WITH THIS PLAN THIS SUBMITTAL ***

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Contact Person: _____ Phone: _____

STORAGE LOCATION

Where is the proposed high-piled combustible storage facility located?

Location Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Contact Person: _____ Phone: _____

***** THE ABOVE INFORMATION MUST BE COMPLETELY FILLED OUT OR PLANS WILL NOT BE PROCESSED *****

FMO USE ONLY: A/P # _____ Date Received: _____ Logged In By: _____

ARCHITECT, ENGINEER, PLANNING DESIGNER

Who should we contact for technical questions about this plan submittal?

Contact Person: _____ Phone: _____

Company/Firm Name: _____

Email: _____ Alternate Phone: _____

STORAGE AREA IDENTIFICATION

(1) What area(s) of the storage location will be used for high-piled combustible storage?

A. Are there multiple storage areas separated by a 1-hour fire protection rating? ☐ YES ☐ NO

If YES, items 1-7 shall be prepared for each "separated" high-piled storage area associated with the project.

B. Description or name of high-piled storage area: _____

C. Aggregate Area: _____ D. Ceiling Height: _____

E. Is the high-piled storage area accessible to the public? ☐ YES ☐ NO

If YES, a separate evacuation plan required by SFPC 3201.4 shall be prepared and submitted with this plan.

COMMODITY CLASSIFICATION

(2) Describe Materials in Storage; Declare Commodity Classification; Specify Limitations

A. Description of combustible materials stored: _____

B. Commodity classification(s) per SFPC 3203 (i.e., Class I - IV, High-Hazard): _____

C. Use of flame-retarding modifiers to change the commodity classification: ☐ YES ☐ NO

D. Does the physical form of the material change the commodity classification? ☐ YES ☐ NO

E. If yes to **C** or **D**, provide documentation validating related changes in commodity classification.

F. Specify commodity class limitations in accordance with SFPC 3204 (Check One)

☐ Commodity class shall not exceed the class specified above in item **B**

☐ Commodity class may exceed the class specified above in item **B** where items 1, 2, 3 apply

1) Engineering analysis demonstrates the higher hazard commodity is adequately protected by an automatic sprinkler system.

2) The area occupied by the higher hazard commodity shall not exceed 120 square feet.

3) Additional areas of the higher hazard commodity storage shall be separated by 25 feet.

Higher Hazard Commodity Allowed: _____

G. Amount of Group A plastics are classified as high-hazard commodity? ☐ YES ☐ NO

HAZARDOUS MATERIALS

(3) Are hazardous materials part of the proposed high-piled combustible storage plan?

A. Identify if the following hazardous materials are part of the proposed high-piled storage plan. Refer to the SFPC chapter indicated for material-specific storage limitations and/or requirements.

- ☐ Hazardous Materials (SFPC Chapter 50) ☐ Flammable/Combustible Liquids (SFPC Chapter 57)
☐ Aerosols (SFPC Chapter 51) ☐ Combustible Fibers (SFPC Chapter 52)

B. Other Hazardous Materials: _____

C. MSDS for Hazardous Materials Stored Included with Plan Submittal? ☐ YES ☐ NO

FIRE PROTECTION / LIFE SAFETY REQUIREMENTS

(4) What fire protection and life safety features required by SFPC 3206.2 are provided?

- A. Automatic Fire-Extinguishing System Provided ☐ YES ☐ NO
B. Fire Detection System Provided ☐ YES ☐ NO
C. Fire Department Access Doors Provided..... ☐ YES ☐ NO
D. Smoke and Heat Removal Provided ☐ YES ☐ NO
E. Draft Curtains Provided ☐ YES ☐ NO
F. Number and Rating of Fire Extinguishers Provided: _____

G. Provide additional information if a footnote in SFPC Table 3206.2 applies.

Footnote Letter(s): _____

Footnote Letter(s): _____

Footnote Letter(s): _____

FIRE SPRINKLER SYSTEM

(5) Tell us the general details about the fire sprinkler protection provided.

- A. Fire Sprinkler System Provided ☐ YES ☐ NO
B. Type of System ☐ WET ☐ DRY ☐ OTHER: _____
C. Sprinkler System Design Density and Area: _____
D. In-Rack Sprinklers Provided ☐ YES ☐ NO
E. ESFR Sprinkler Heads Provided ☐ YES ☐ NO
F. Sprinkler K-Factor: _____ G. Sprinkler Head Temperature: _____
H. Sprinkler Spacing in Square Footage: _____

NOTICE: Detailed information requested in items 6 and 7 listed below shall be provided for each separate high-piled combustible storage arrangement or configuration where storage methods or storage design specifications are different. For example, if solid-pile storage, rack storage, and bin box storage is to be located in the same high-piled storage area, a separate copy of this page will be required for each. In addition, each separate arrangement or configuration shall be shown in the plan.

STORAGE ARRANGEMENT / CONFIGURATION

(6) Specify applicable storage arrangements, rack configurations, pallet materials/types.

A. High-Piled Storage Arrangement(s):

- ☐ Solid-Piled ☐ Shelf Storage ☐ Rack Storage ☐ Automated Storage
☐ Bin Boxes (less than 5 feet) ☐ Bin Boxes (exceeding 5 feet) ☐ Records Storage

B. Shelf Information:

Depth of the shelves (inches): _____ Height between shelves (inches): _____

C. Rack Configuration:

- ☐ Single Row ☐ Double Row ☐ Movable ☐ Multiple Row
☐ Other _____

D. Pallet Storage Information: (Select all that apply)

- ☐ Wood ☐ Conventional ☐ Plastic ☐ Plastic, UL 2335
☐ Banded ☐ Unbanded ☐ Encapsulated ☐ Nonencapsulated
☐ Other _____

E. Solid Pile Information:

- ☐ Pallet ☐ Dunnage ☐ Skids ☐ Other: _____

F. Maximum Pile Dimension: _____ G. Maximum Pile Height: _____

H. Maximum Pile Volume (cubic feet): _____

Additional Information: _____

AISLE WIDTH / STORAGE-RELATED DIMENSIONS

(7) Specify applicable aisle widths, flue spaces, and maximum storage heights/clearances.

A. Minimum Required Aisle Width: _____

B. Transverse Flue Space: _____ ☐ Not Required or Not Applicable

C. Longitudinal Flue Space: _____ ☐ Not Required or Not Applicable

D. Maximum Storage Height: _____

E. Clearance from Top of Storage to Sprinkler Head Deflector: _____